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**Supplementary information**

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**An instantaneous voice-synthesis  
neuroprosthesis**

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In the format provided by the  
authors and unedited

**Supplementary Table 1. Data used for training the brain-to-voice decoder**

| <b>Evaluation day<br/>(post-implant)</b> | <b>Most recent decoder<br/>training day</b> | <b>Days between<br/>decoder<br/>training and<br/>evaluation</b> | <b>Cumulative<br/>number of<br/>training<br/>sentences</b> | <b>Cumulative<br/>hours of<br/>training data</b> |
|------------------------------------------|---------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------|
| 25<br>(1 <sup>st</sup> session)          | 25                                          | 0                                                               | 180                                                        | 0.5                                              |
| 109                                      | 104                                         | 5                                                               | 4,140                                                      | 17.4                                             |
| 110                                      | 109                                         | 1                                                               | 4,389                                                      | 18.7                                             |
| 125                                      | 123                                         | 2                                                               | 4,648                                                      | 20.1                                             |
| 139                                      | 132                                         | 5                                                               | 4,936                                                      | 21.6                                             |
| 165                                      | 153                                         | 12                                                              | 5,921                                                      | 26.9                                             |
| 172                                      | 165                                         | 7                                                               | 6,254                                                      | 28.5                                             |
| 174                                      | 172                                         | 2                                                               | 6,552                                                      | 30.1                                             |
| 179                                      | 174                                         | 5                                                               | 6,778                                                      | 31.3                                             |
| 181                                      | 179                                         | 2                                                               | 7,077                                                      | 32.8                                             |
| 186                                      | 181                                         | 5                                                               | 7,279                                                      | 34.0                                             |
| 188                                      | 186                                         | 2                                                               | 7,589                                                      | 35.3                                             |
| 193                                      | 188                                         | 5                                                               | 7,890                                                      | 36.4                                             |
| 195                                      | 193                                         | 2                                                               | 8,315                                                      | 37.8                                             |